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UROSKOP ACCESS

SP

Circuit Diagramm

37 83 300 Uroskop Access Serial No. from 01211

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V	Change No.	Name	V	Change No.	Name	V	Change No.	Name

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Medical Solutions

Wiring Diagramm

Document	Class	Index	Version	Type No.
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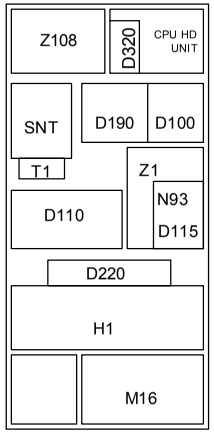
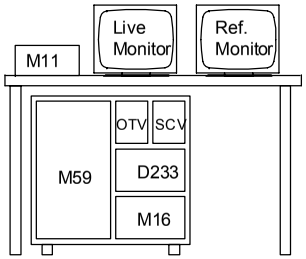
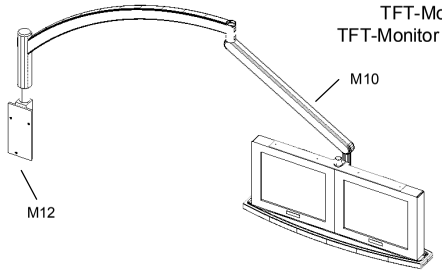
Polydoros SX / Power Unit



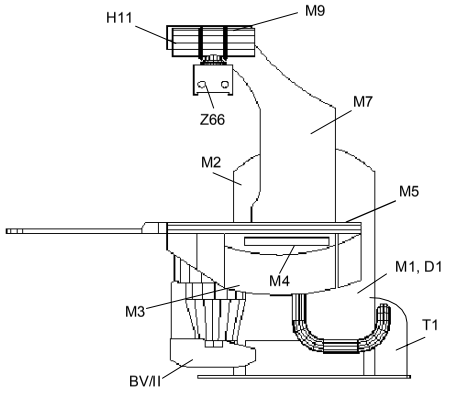
BS-Container /
Imaging System-Container



TFT-Monitor-Tragarm /
TFT-Monitor support system



Gerät / unit



Gerät / unit

M1	Elektronikeinheit / eclectronics unit
M2	Gerätefuß, Umrichter / floor stand
M3	Geräteträger / unit support
M4	Kassettenbox / cassette-box
M5	Patientenlagerung / patient support system
M7	Säule / column
M9	Strahlereinheit / tube assembly
T1	Transformator / transformer
Z66	Tiefenblende / collimator
H11	Strahler / tube
BV / II	Bildverstärker / image intensifier
D1	BUC / Basic unit controler

Leistungseinheit / Power unit
Polydoros SX

N10	CPU HD UNIT XCU
SNT	Schaltnetzteil / chopped power supply
T1	Transformator / transformer
D190	Iontomat PN
D100	Masterplatine / master pc board
D110	Wechselrichter / in verter
Z1	Netzfilter / mains filter
N93	Anlassgerät / starter
D220	Heizplatine / filament pc board
H1	Hochspannungserzeuger / high-voltage generator
M16	Netzeingang / power line connection
Z108	BV-Spannungsversorgung / I.I. power supply

TFT-Monitor-Tragarm / TFT-Monitor s upport system

M10	Tragarm / support system
M12	Tragarm-Schnittstelle / TFT connection

BS-Container / Imaging System-Container

M59	Bildsystem / imaging system
M11	Bedienpanel / operating panel
M16	Netzteil / power pack
D233	Videoverteiler / video distributor
OTV	Optische Videotrennung / optical isolation amplifier
SCV	Scan converter
IS	Imaging system

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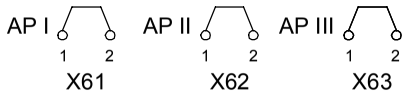
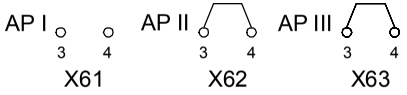
Overview of jumpers / Polydoros SX

Polydoros SX

D160



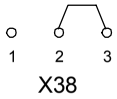
mit Öldruckschalter mit/ohne Türko ntakt
with oil pressure switch with/without doo r contact

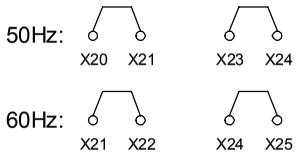


ohne X-RAY Disable
without X-RAY Disable

ohne Notstrom
without emergency power s upply

Strahlungsanzeige nur bei Strahlung
radiation display only when radiation is on



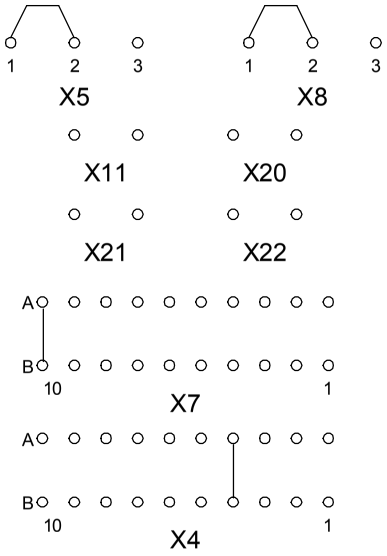


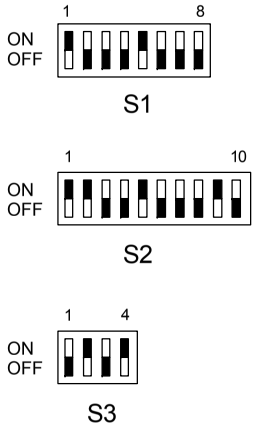
D320

XCS-X3

XCS-Brückenstecker
(ohne KK-Interface)
XCS jumperconnector
(without KK-interface)

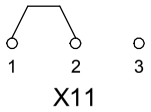
D100 COM-Controller (XCU)



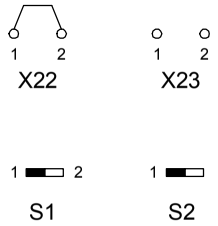


Fluorospot Compact

D100 XCS - Interface



D100 (BV-Kameraadapter)
II-Camera adaptor



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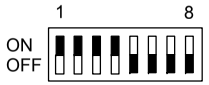
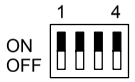
D1, Basic Unit Controller (BUC)



D1.S4

Node ID



D1.S3

CAN Baudrate

X90 X91 X92 X93

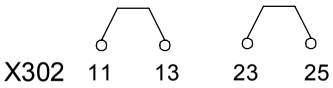
X40 X41

X60 X61 X62 X63

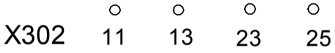
X64 X65 X66

D1, Basic Unit Controller (BUC)

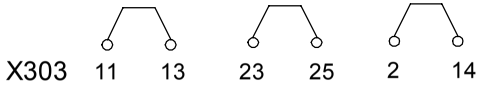
ohne Nahbedienung am Bedienpanel M11
without remote control atoperating panel M11



mit Nahbedienung am Bedienpanel M11
with remote control operating at panel M11

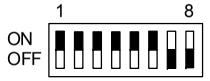


ohne Systemfußschalter
without system foot switch



Tiefenblende Collimator

ohne DSA:



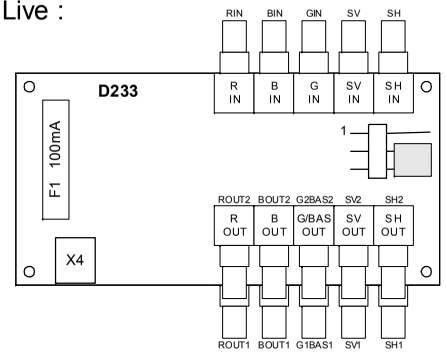
D1.S2

D1.X12

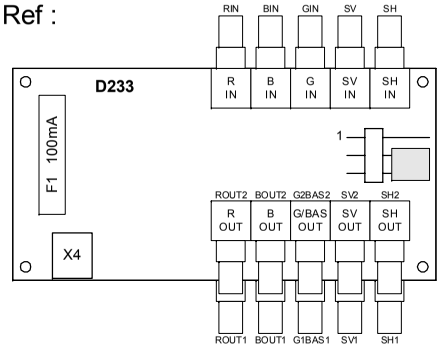
D2.S1

D233 Bildsystemcontainer
imaging system container

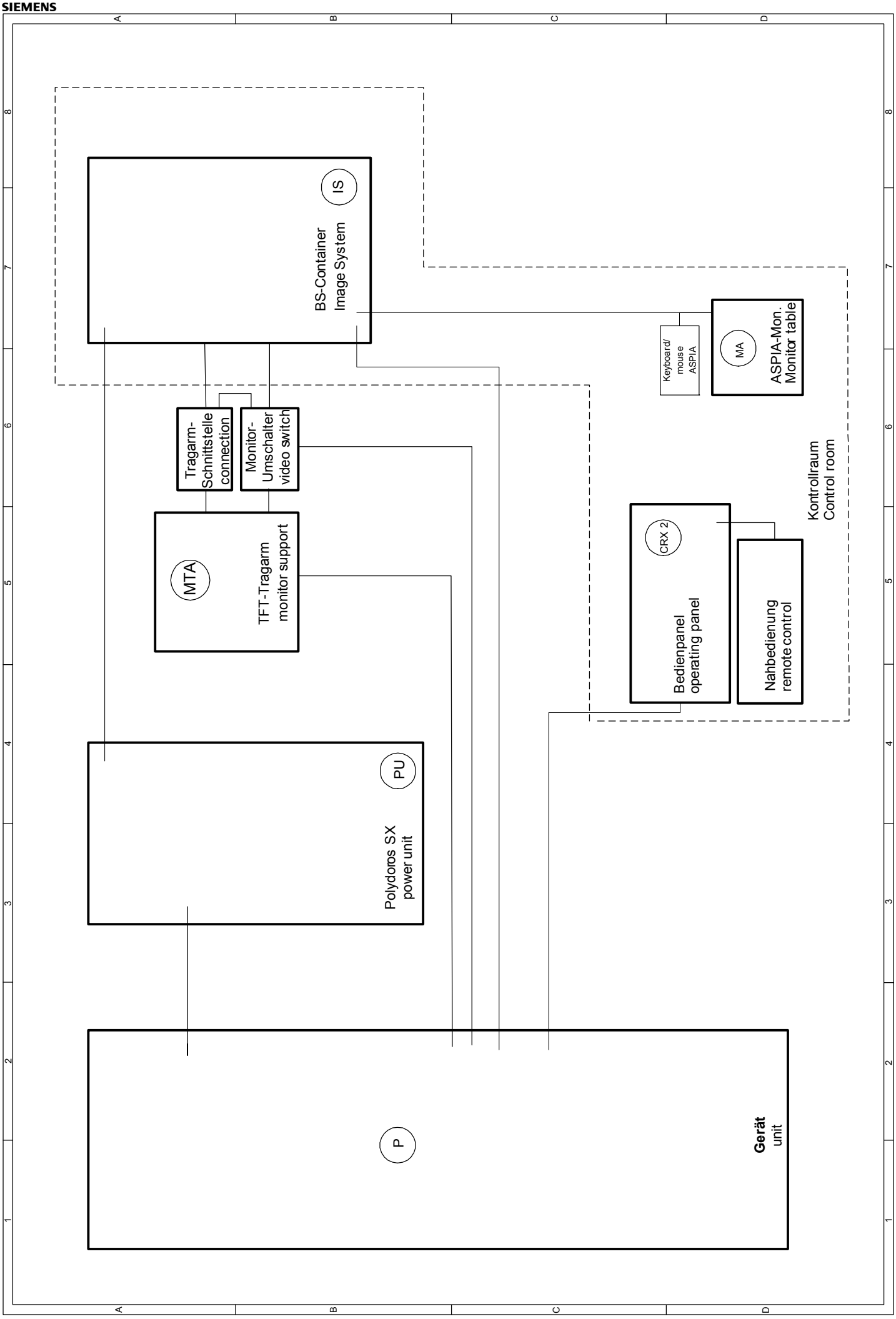
Live :



Ref :



Overview of jumpers / table, imaging system, collimator



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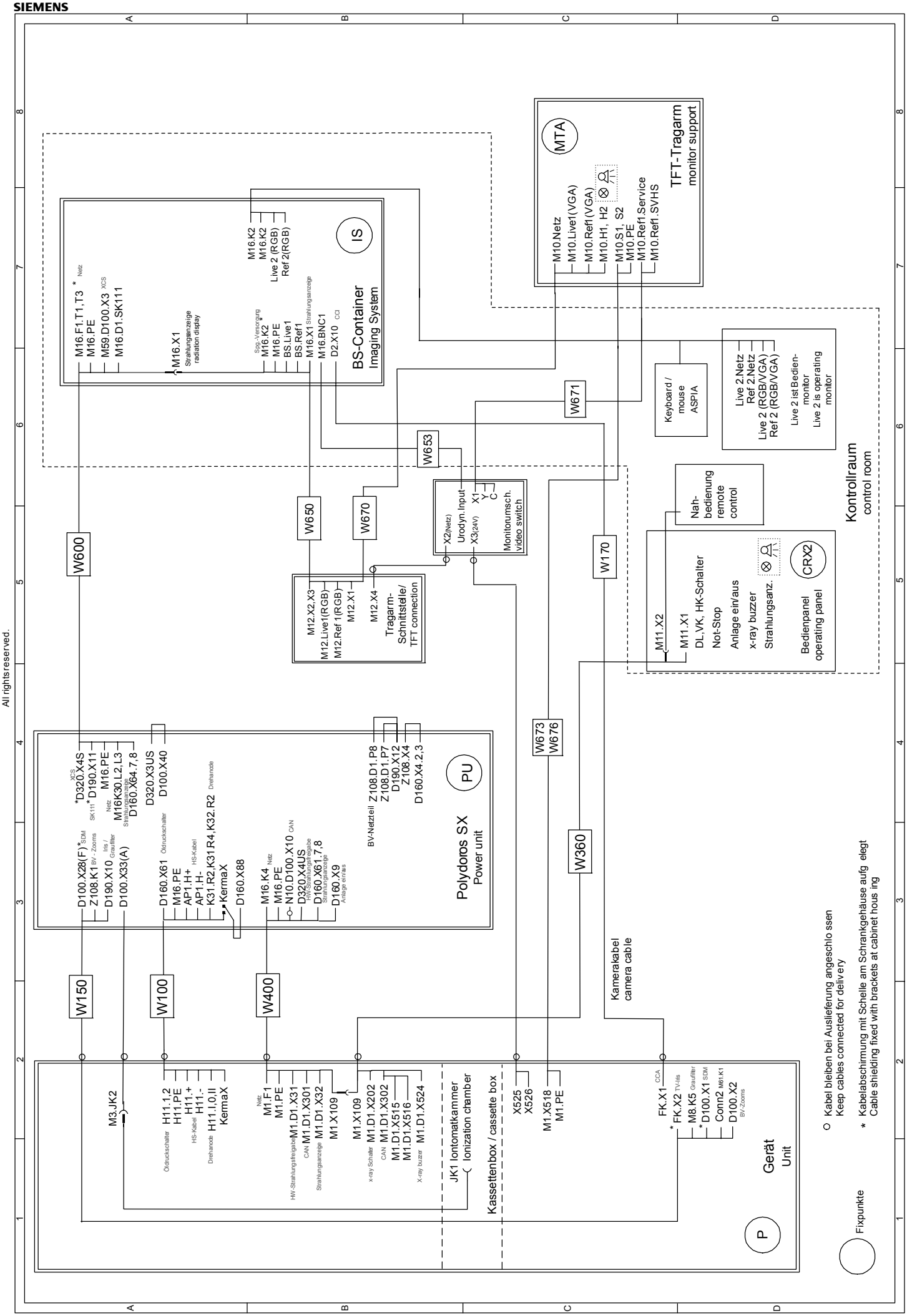

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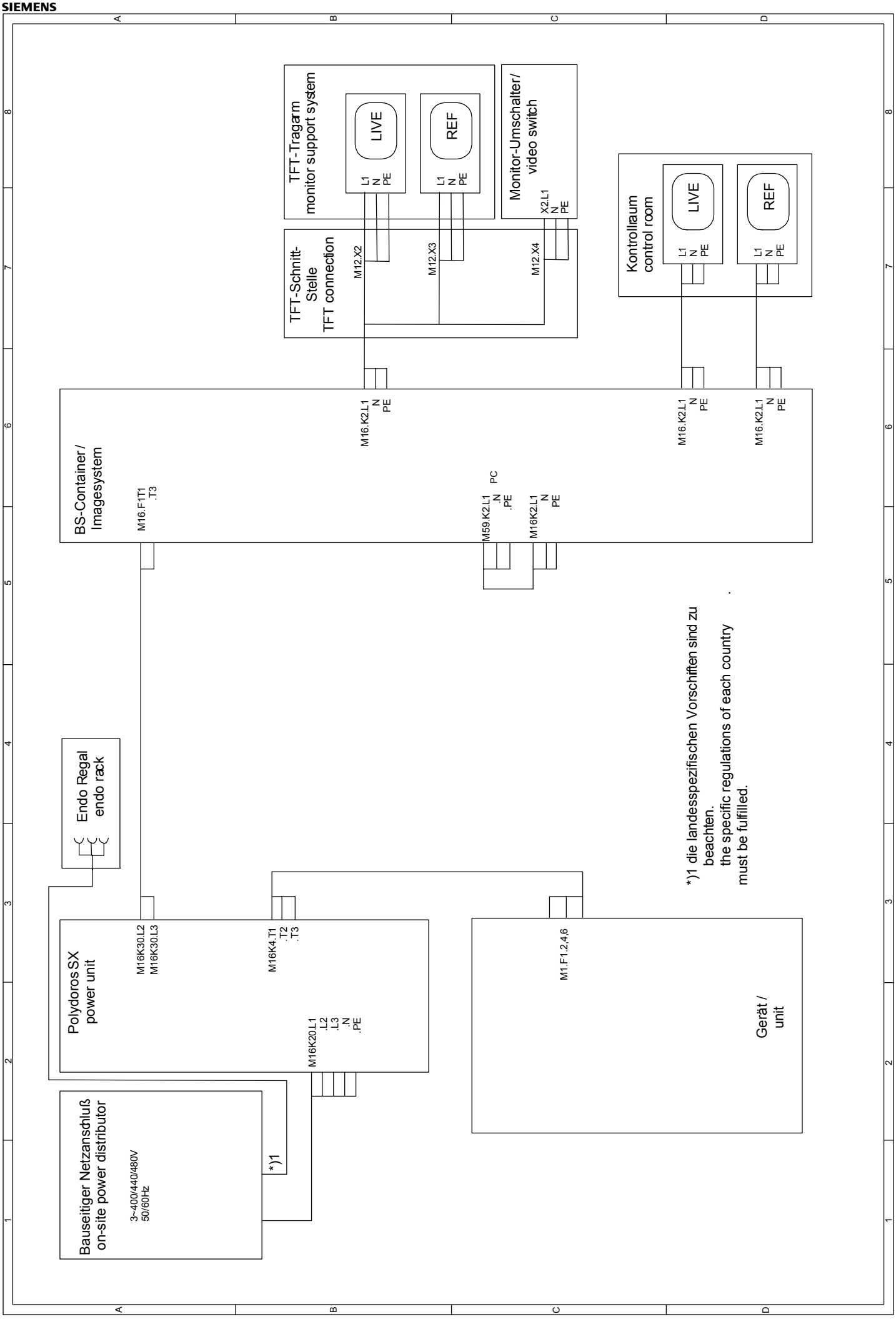

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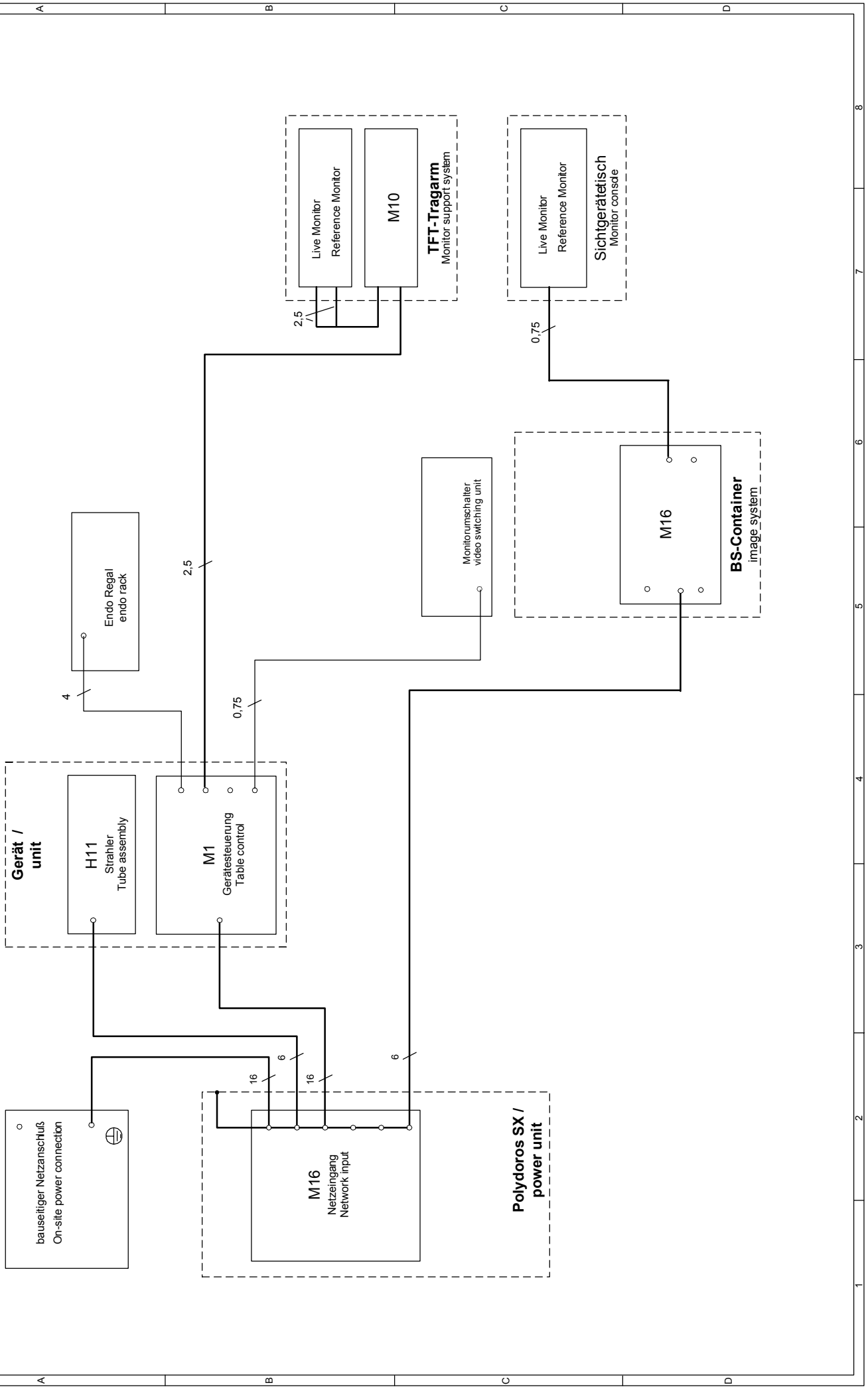

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Line distribution

Bauseitiger Netzanschluß
on-site power distributor

3~400/440/480V
50/60Hz

Polydoros SX / power unit

M16.K20 L1 L2 L3 N PE

*1)

Z1 Load L1 L2 L3 Line Netzfilter

F1 50A

F456 3 * 25A

F7 3 * 10A

F19 1AT

XCU

Z108

M16.K30 L1 L2 L3 N PE

M16.K4 T3 T2 T1

M16

*1) Vortrafo bei 440 V / 480V

*2) Anschluß entsprechend der Netzspannung.
Connection according to mains voltage.

BS-Container / Imagesystem

M16

variable value

T1 F1 5A

4 480V
3 440V
2 400V
*)2

T3 1 0V

T1 F1 6,3AT 32 230V 31

X1 X2 K4 V1 K2

F3 4 AT 34 24 V 33

K1 K3 V6 K2 K4

PE

(19 / A1 - D8)

D1

L1 N 230V-Verteiler K2

M1.Z1 Load L3 L2 L1 Line Netzfilter

F1 3 x16A 6 4 2

400V 440V 480V

*)2

230V F8 6A M1.X6.1 M1.X6.2

Gerät / unit M1

Kontrollraum
control room

Live (L,N,PE)
Ref (L,N,PE)

Tragarm-Schnittstelle
Monitor support connector
M12

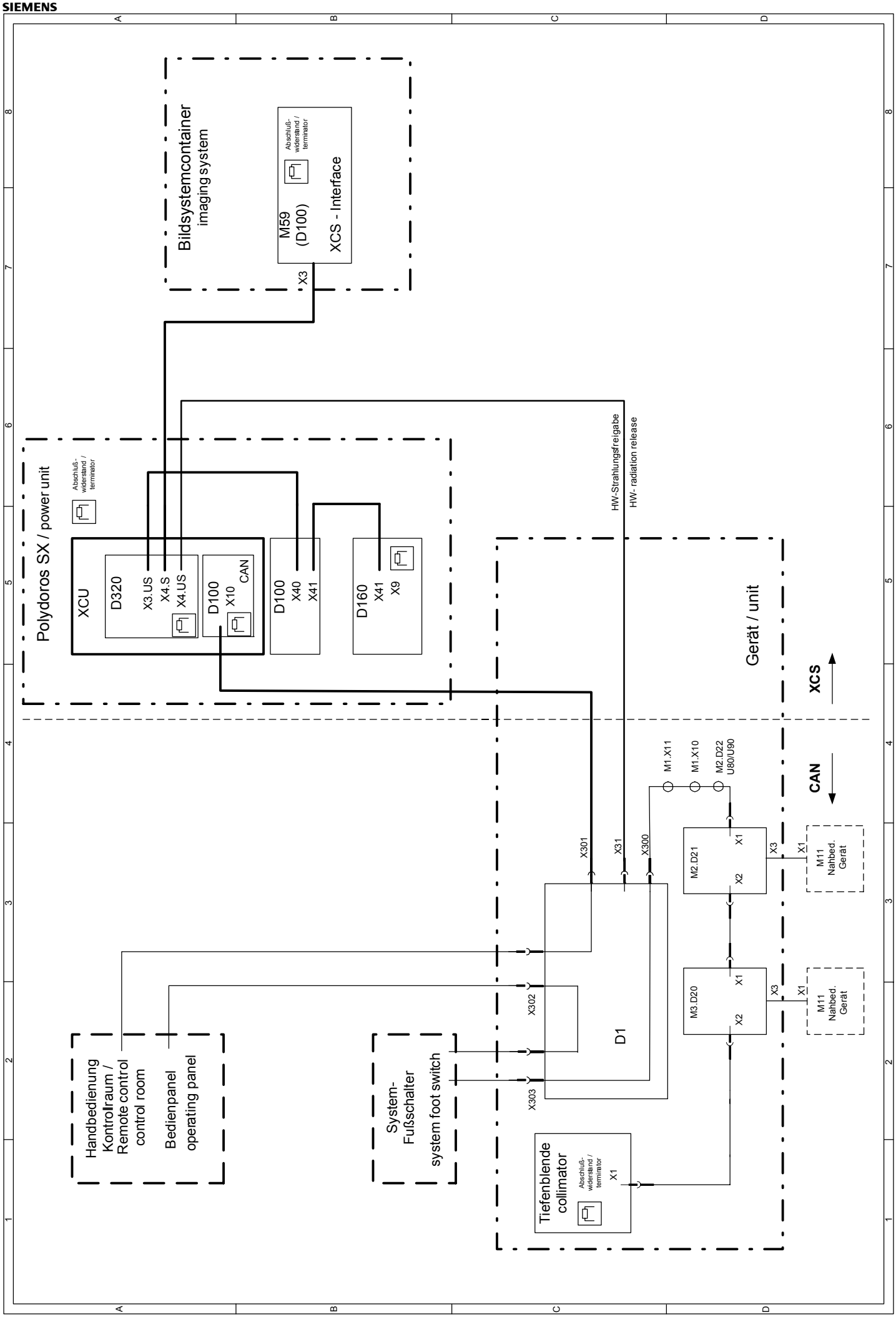
M12.X4
M12.X3
M12.X2

TFT-Tragarm M10
Monitor support system

M10.Live (L,N,PE)
M10.Ref (L,N,PE)

Monitor-Umschalter
video switch

X2 (L,N,PE)



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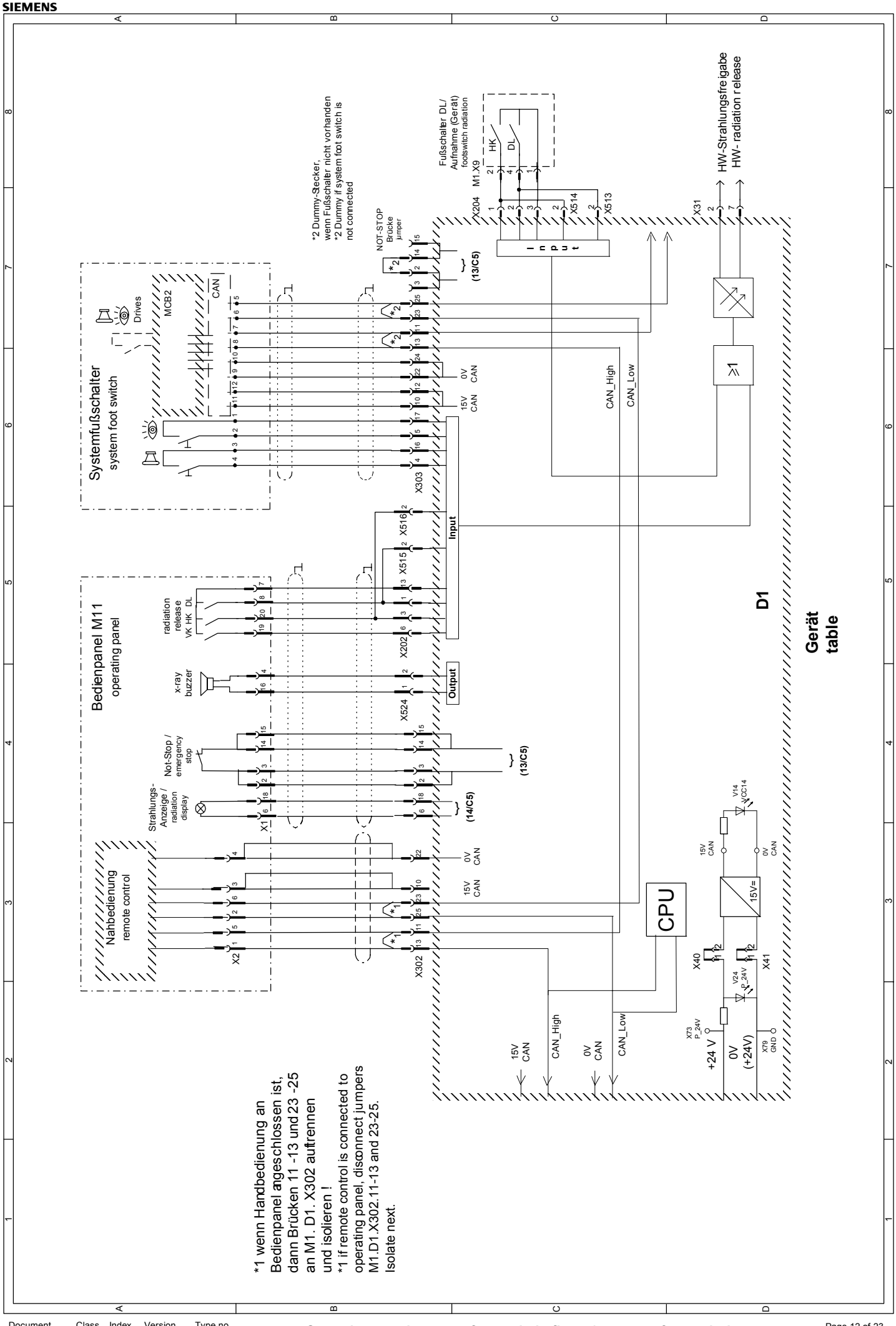

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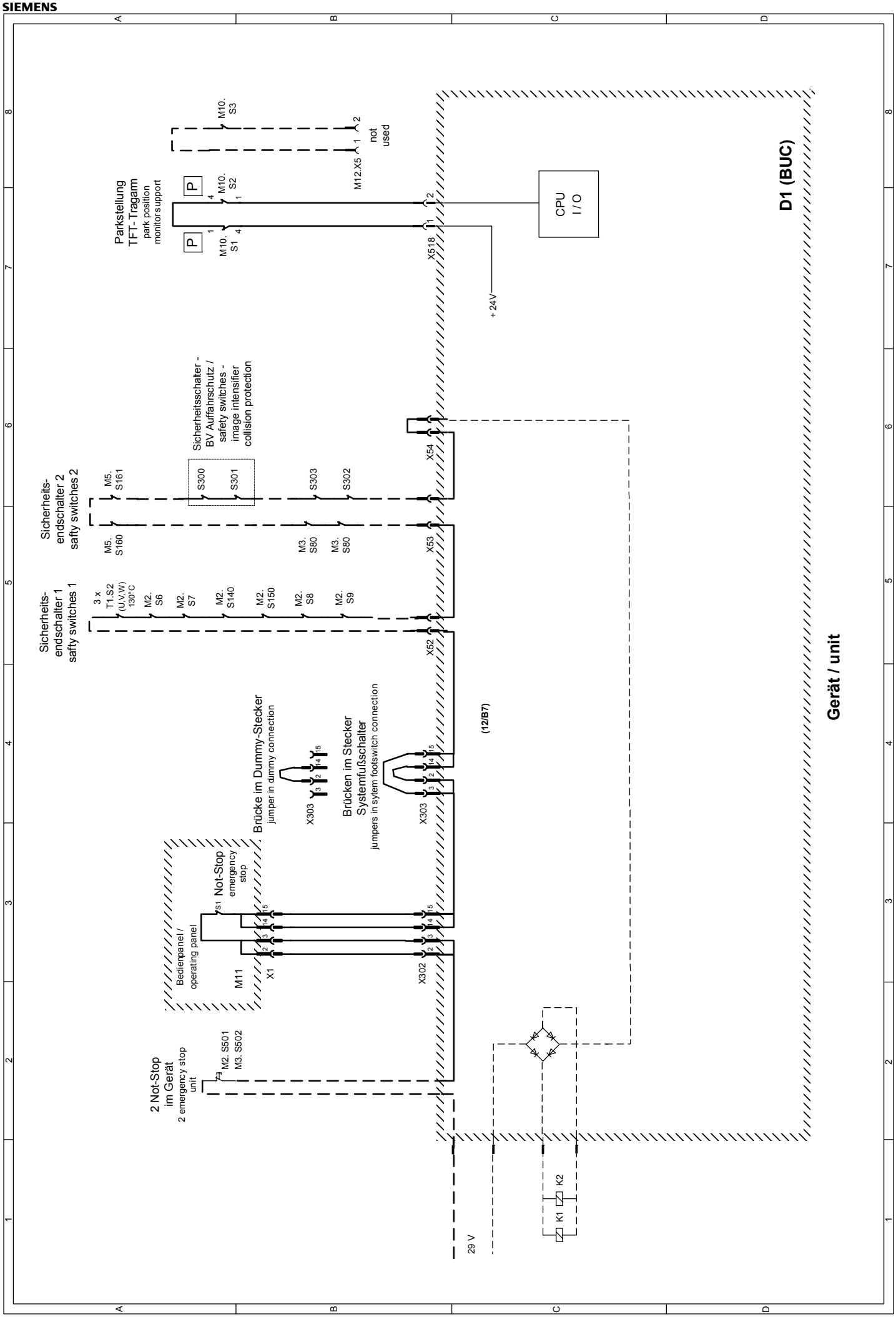

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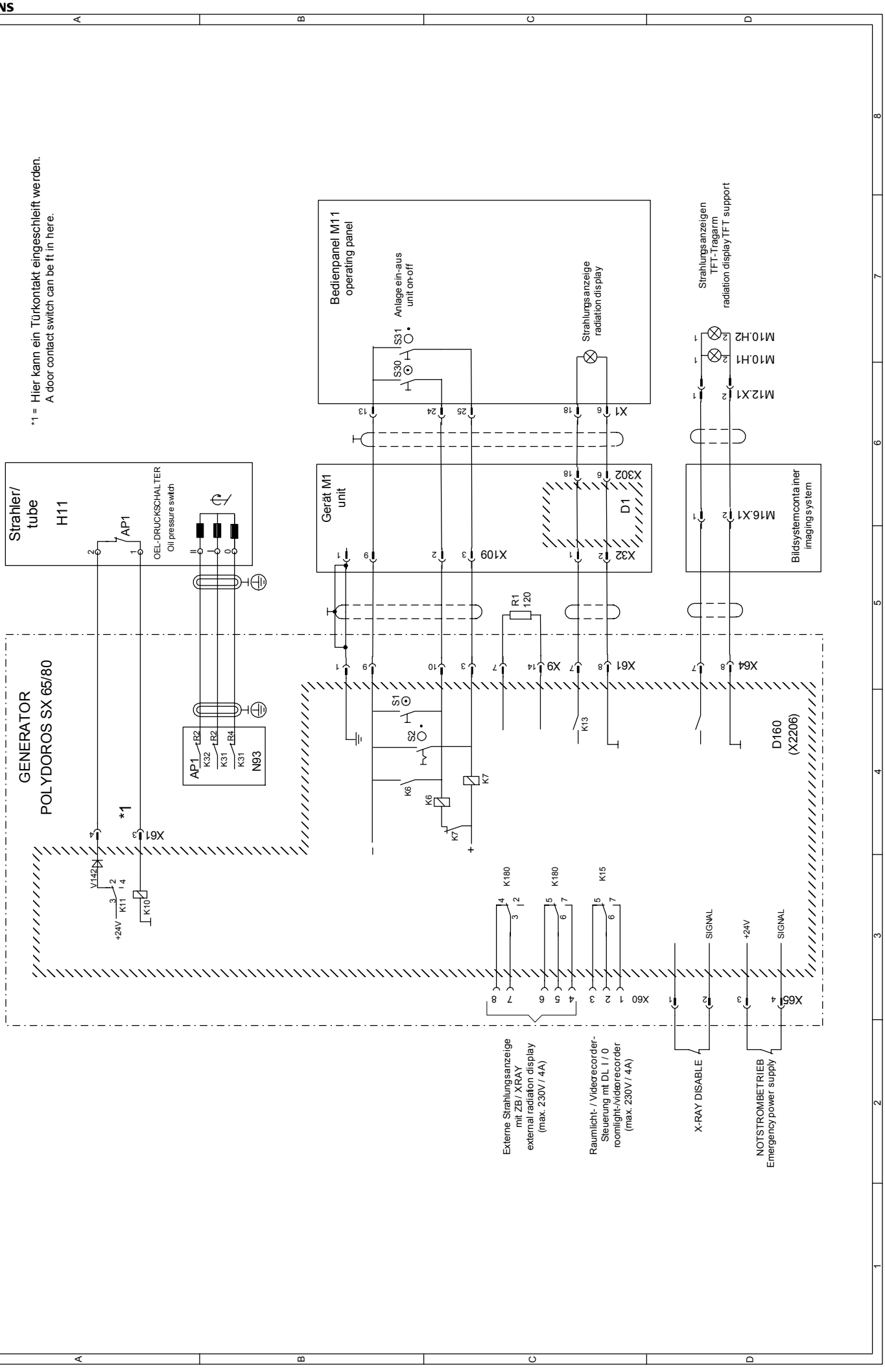

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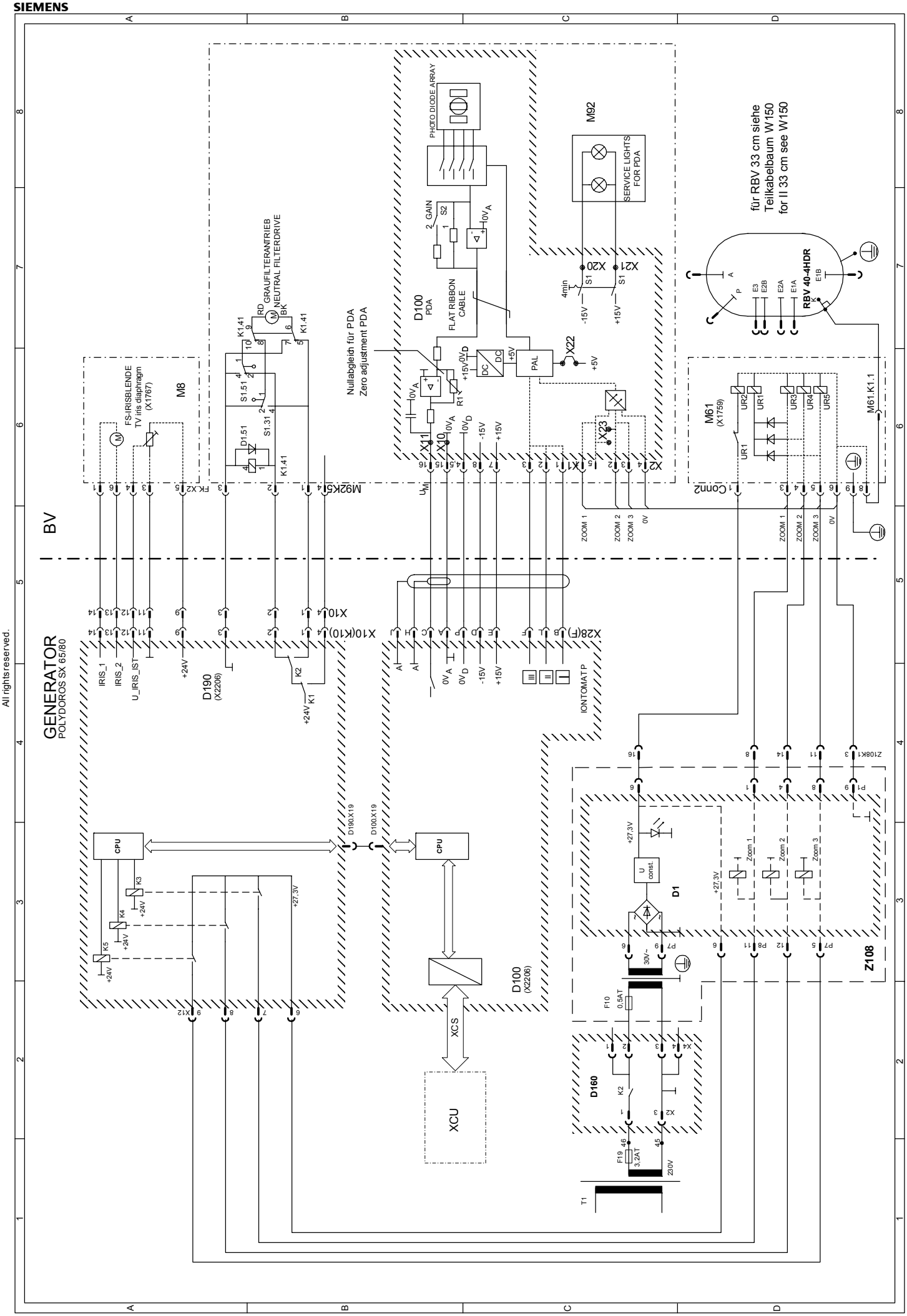

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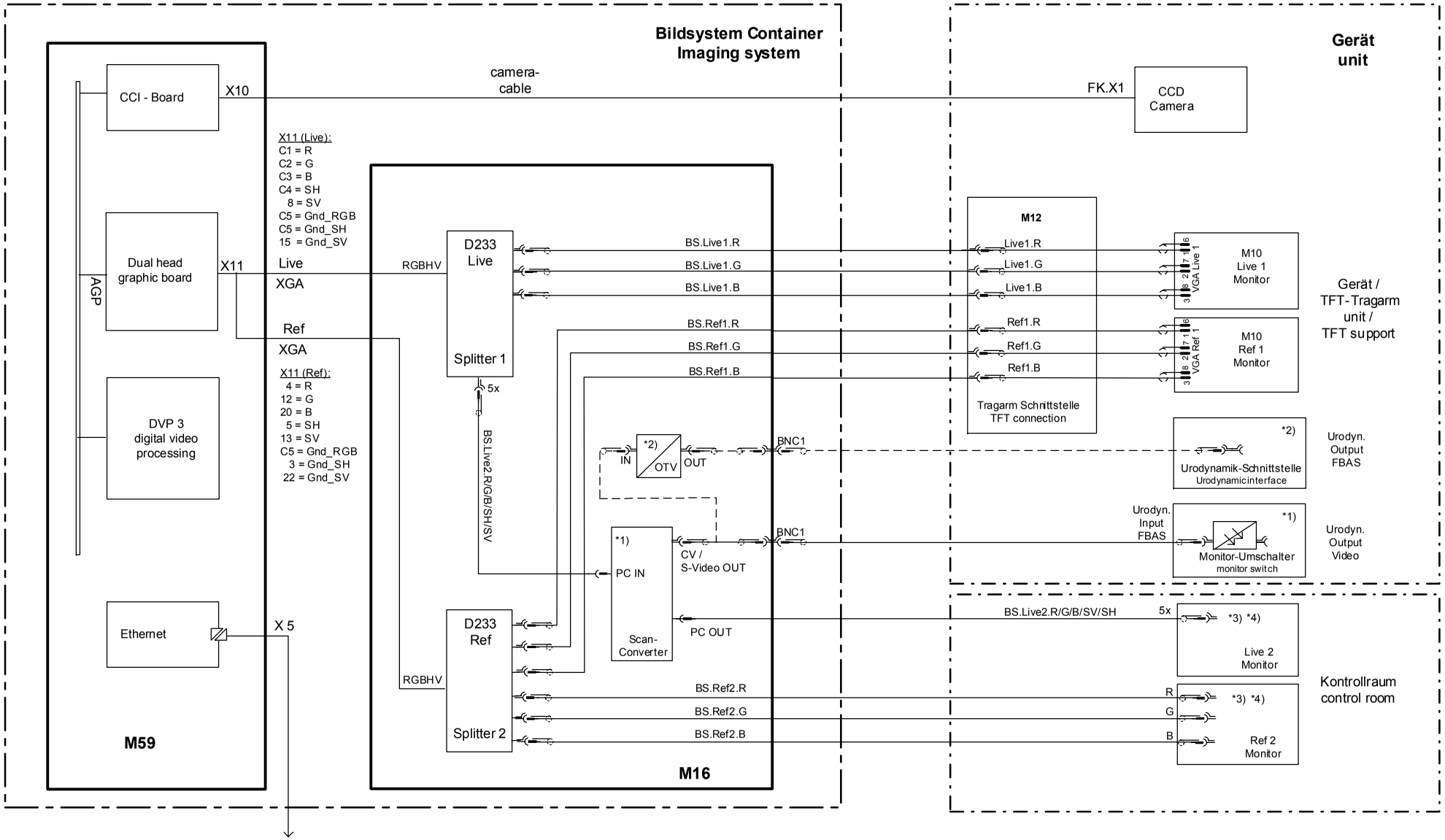
Video cabling with urodynamic interface



= galvanic insulated

OTV = optischer Trennverstärker
optcal coupler

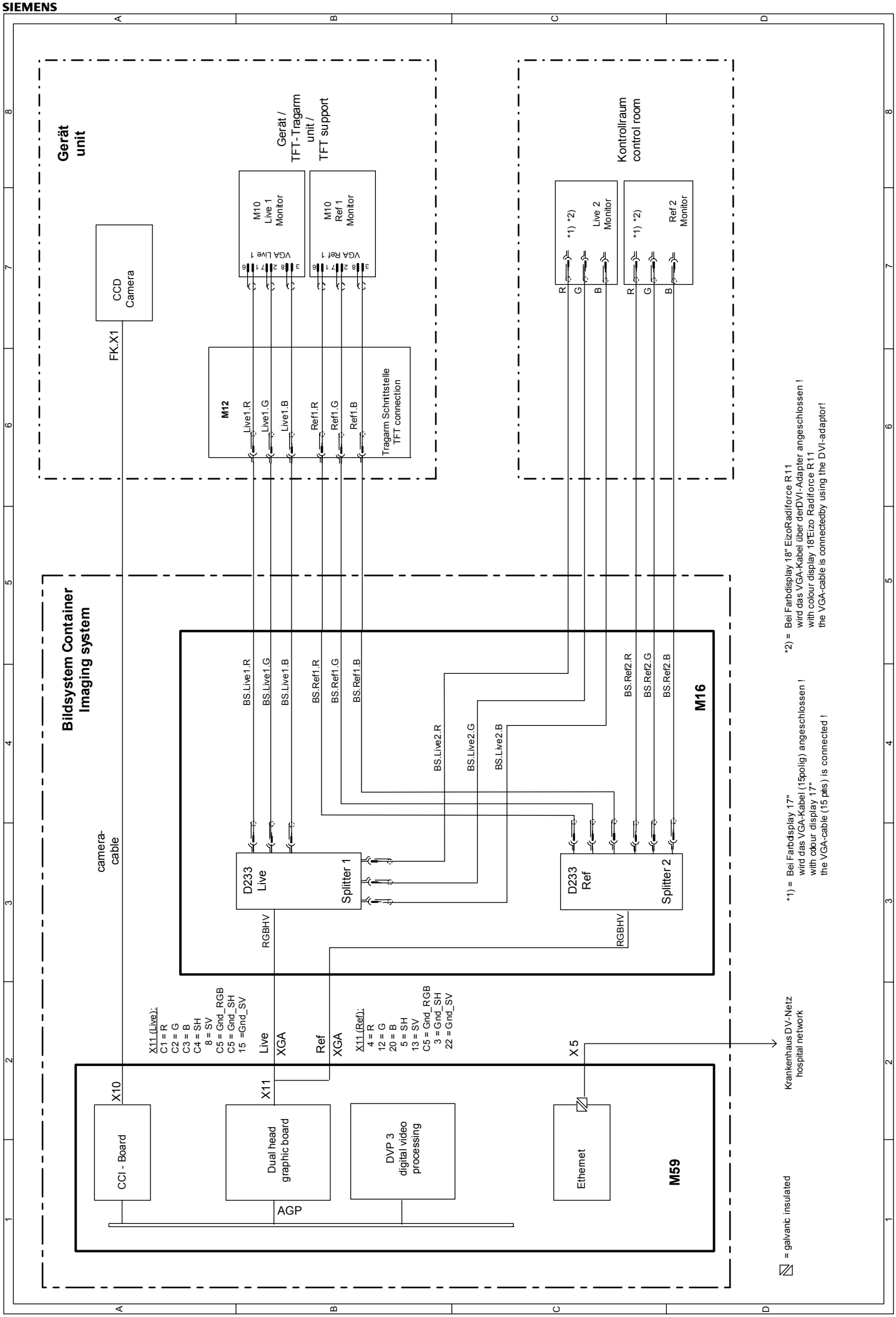
Krankenhaus DV-Netz
hospital network

*1) = Option Urodynamik / urodynamic

*2) = Option : Urodynamik ohne Monitorumschalter
Urodynamic without monitor switch

*3) = Bei Farbdisplay 17"
wird das VGA-Kabel (15polig) angeschlossen !
with colour display 17"
the VGA-cable (15 pins) is connected !

*4) = Bei Farbdisplay 18" EizoRadiforce R11
wird das VGA-Kabel über derDVI-Adapter angeschlossen !
with colour display 18"Eizo Radiforce R11
the VGA-cable is connectedby using the DVI-adaptor!



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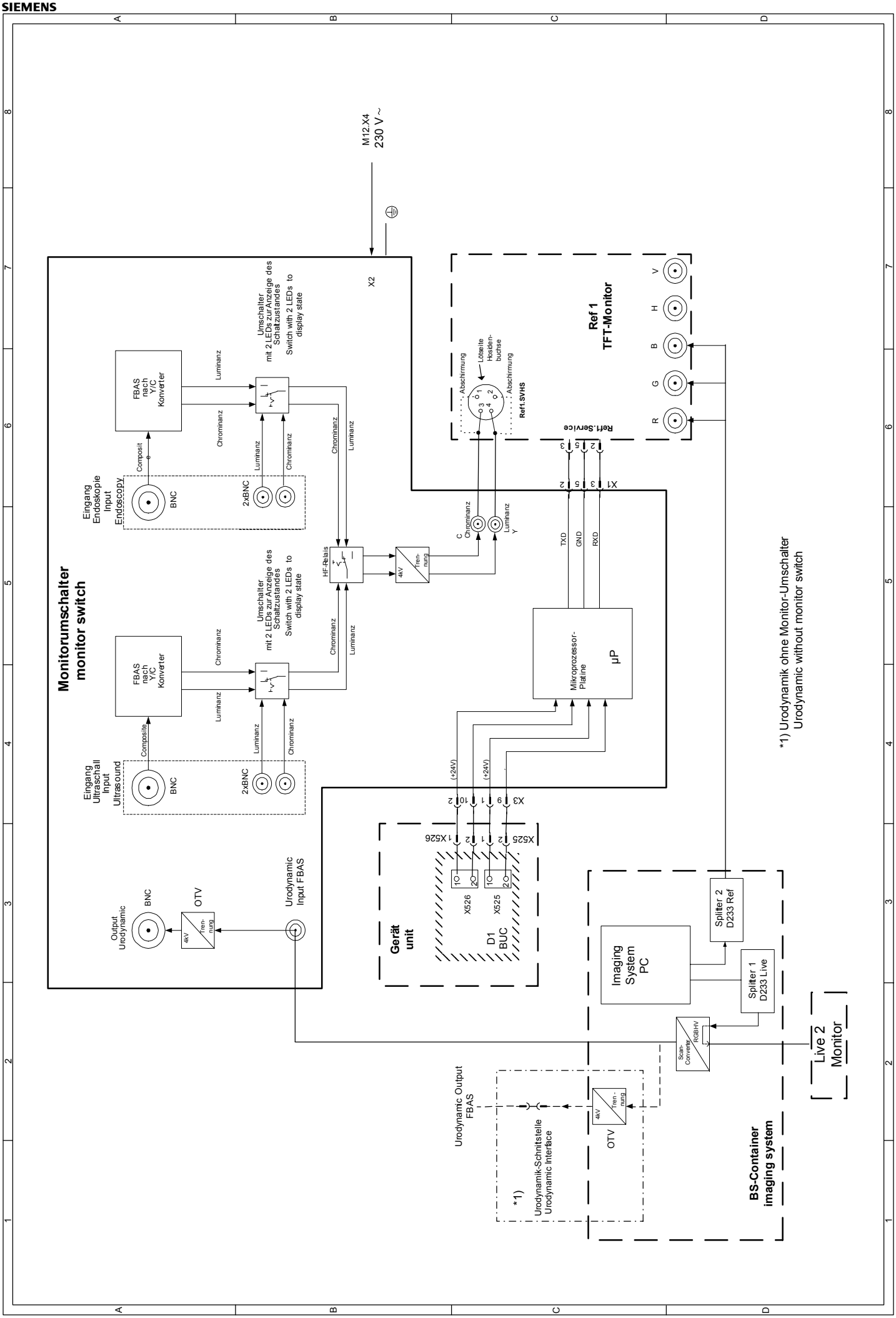

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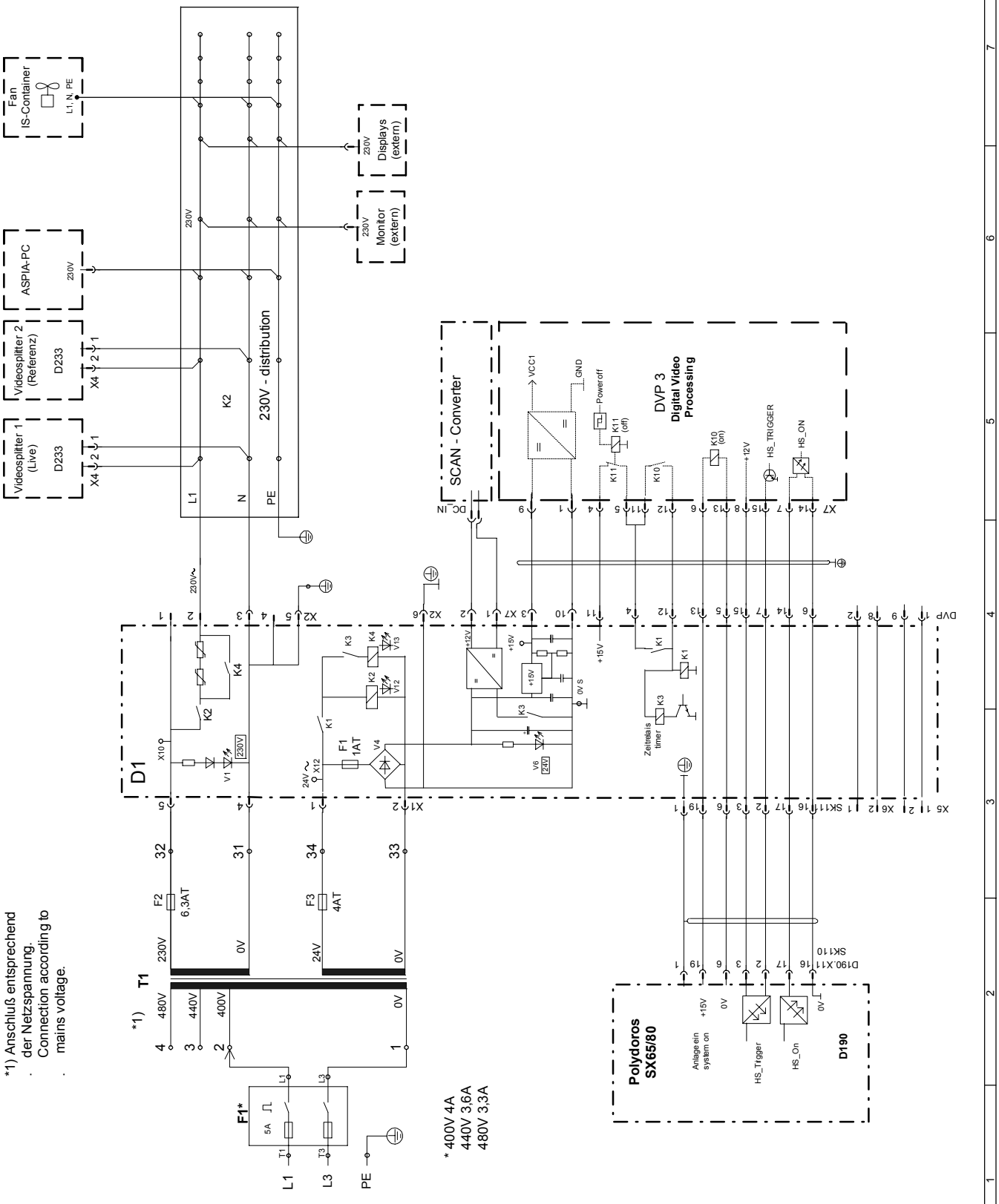

*1) Anschluß entsprechend der Netzspannung.
Connection according to mains voltage.

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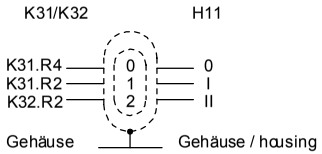
Teilkabelbaum W100
Partial cable harness W100

Gerät / unit		Generator / power unit	
H11.+	W101	AP1.H1.+	HS-Kabel
H11.-	W102	AP1.H1.-	
H11.PE	W103	M16.K20.PE	PE
H11,1.2	W104	D160.X61	Öldruckschalter
H11.X2	W105	K31/K32	Drehanode
KermaX	W106	Stecker	KermaX



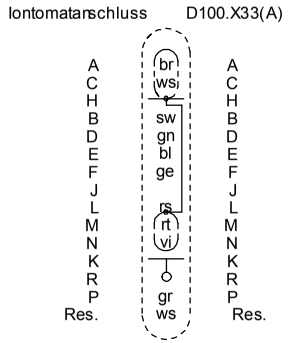
Drehanoden-Kabel
rotating anode cable

D160.X61		H11
3	sw	1
4	ws	2

Öldruckschalter
oil pressure switch

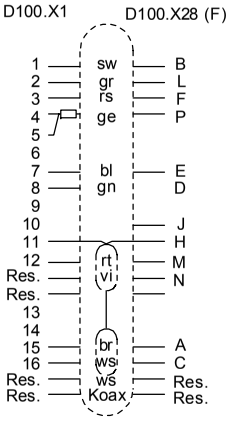
Iontomatkabel-Kassettenbox
Iontomat cable - cassette box

Gerät / unit		Generator / power unit
Iontomatanschluss		D100.X33 (A)

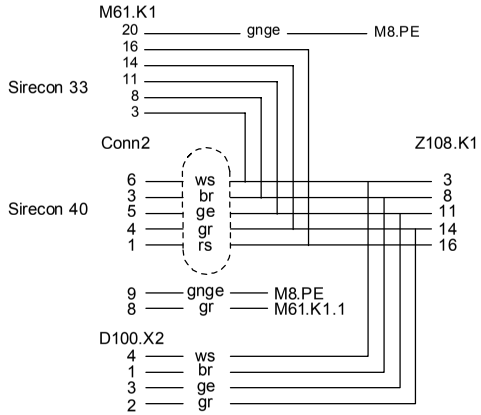


Teilkabelbaum W150
Partial cable harness W150

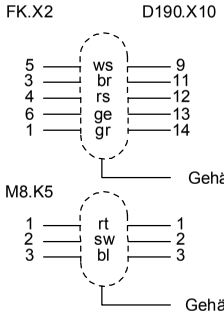
Gerät (BV) /unit		Generator /power unit	
D100.X1	W158	D100.X28	SDM
M8.K5	W160	D190.X10	Graufilter
FK.X2	W161	D190.X10	TV-Iris
Conn2 / D100.X2 / M61.K1	W162	Z108.K1	BV Zoom
FK.X1	W170	D2.X10 Bildsystem	Kamerakabel



SDM



Zoomansteuerung BV
zooming II



TV-Iris

Graufilter
grey filter

Teilkabelbaum	=	Partial cable harness
Zipperschlauch	=	Zipper hose
siehe Tabelle	=	see table
NK (Netzkabel)	=	Power cable
SL (Schutzleiter)	=	Ground wire
Steckergehäuse	=	Connector housing

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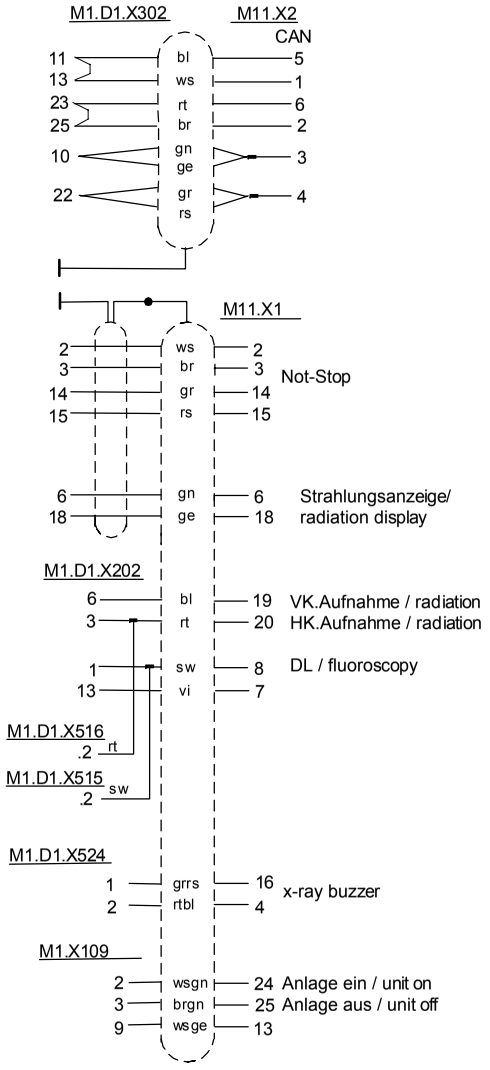
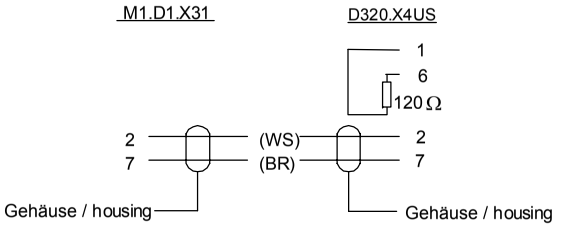
Teilkabelbaum W360
Partial cable harness W360

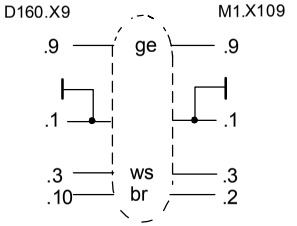


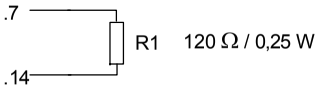
Teilkabelbaum W400
Partial cable harness W400

Gerät (M1) / unit		Generator / power unit
M1.F1.2,4,6	W401	M16.K4.T1,T2,T3
M1.PE	W402	M16.PE
M1.D1.X31	W403	D320.X4US
M1.D1.X301	W404	N10.D100.X10
M1.D1.X32	W405	D160.X61
M1.X109	W406	D160.X9

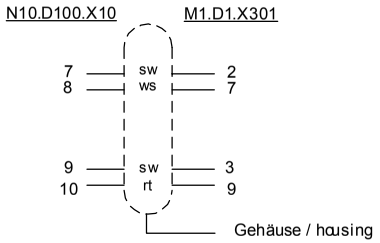


HW - Strahlungsfreigabe
HW - radiation release





Anlage ein/aus
unit on/off



CAN - Leitung
CAN cable

Teilkabelbaum	=	Partial cable harness	
Zipperschlauch	=	Zipper hose	
siehe Tabelle	=	see table	
NK (Netzkabel)	=	Power cable	
SL (Schutzleiter)	=	Ground wire	
Steckergehäuse	=	Connector housing	

Farben der Leitungen in Teilkabelbäumen
Colours of conductors in partial cable harness

Farbe		Colour	
sw	schwarz	bk	black
br	braun	bn	brown
rt	rot	rd	red
ge	gelb	ye	yellow
gn	grün	gn	green
bl	blau	bu	blue
vi	violett	vt	violet
gr	grau	gy	grey
ws	weiss	wh	white
rs	rosa	pk	pink

Partial wiring harness W360, W400

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Teilkabelbaum W650
Partial cable harness W650

BS-Container imaging system		Tragarm-Schnittstelle TFT connection	Monitorumschalter video switch
M16.K2	W652	M12.X2,X3,X4	
BS.Live1.R,G,B	W654a	M2.Live1.R,G,B	
BS.Ref1.R,G,B	W654b	M2.Ref1.R,G,B	
M16.X1	W655	M12.X1	
M16.BNC1	W653	---	Urodyn. FBAS

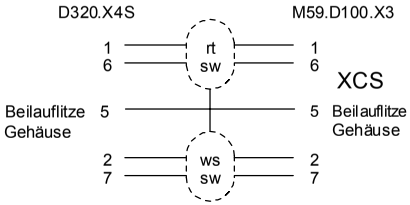
Teilkabelbaum W670
Partial cable harness W670

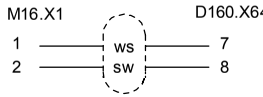
Schnittstelle M12 TFT connection		TFT-Tragarm TFT support
Monitor Switch. X1	W671	M10.Ref1.Service
Monitor Switch. Y,C	W671	M10.Ref1.SVHS
M12.X2,X3	W672	M10.Live,Ref
M1.PE	W673	Monitor.PE
M12.Live1.R,G,B	W674A	M10.Live1.VGA
M12.Ref1.R,G,B	W674B	M10.Ref1.VGA
M12.X1	W675	M10.H1, H2
M1.X518	W676	M10.S1, S2

Teilkabelbaum	=	Partial cable harness
Zipperschlauch	=	Zipper hose
siehe Tabelle	=	see table
NK (Netzkabel)	=	Power cable
SL (Schutzleiter)	=	Ground wire
Steckergehäuse	=	Connector housing

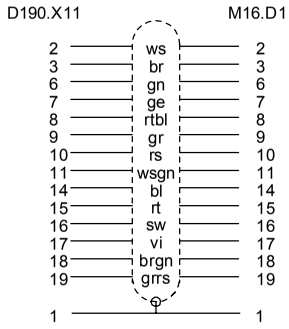
Teilkabelbaum W600
Partial cable harness W600

Generator power unit		BS-Container imaging system
D320.X4S	1	M59.D100.X3 (XCS)
D190.X11	2	M16.D1 (SK111)
M16.K30.L1,L2	3	M16.F1
M16.PE	4	M16.PE
D160.X64.7,8	5	M16.X1 Strahlungsanz.





Strahlungsanzeige
radiation display



SK111

1

Kabelsatz für Monitore Kontrollraum
wiring for monitors in control room

BS-Container imaging system		Kontrollraum control room
M16.K2	1	Live2.Netz
M16.K2	2	Ref 2.Netz
BS.Life2.R,G,B	3	Live2.R,G,B
BS.Ref2.R,G,B	4	Ref2.R,G,B

Partial wiring harness W650, W670, W600, displays in control room

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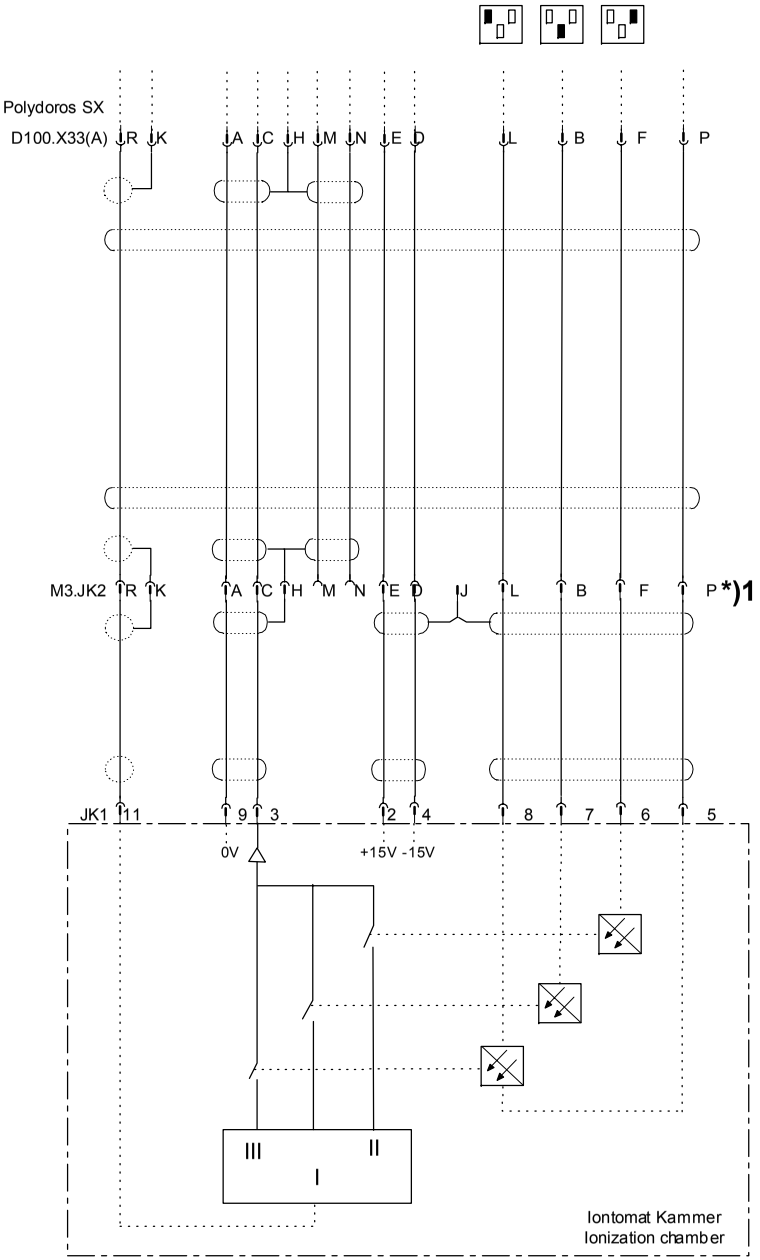
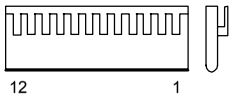
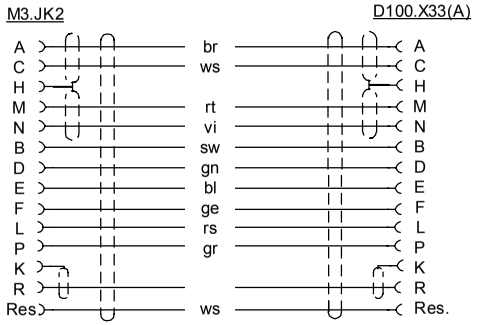
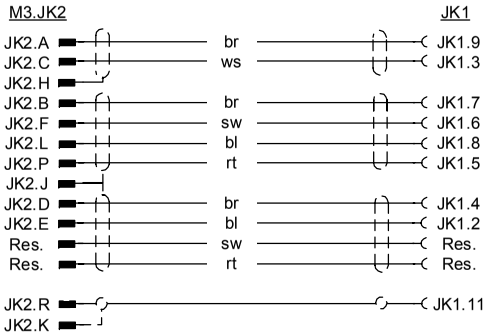
Iontomat connection (spotfilm device)


Polydoros SX
D100.X33(A) R K A C H M N E D L B F P
M3.JK2 R K A C H M N E D J L B F P *)1
JK1 11 9 3 2 4 8 7 6 5
0V
+15V -15V
III
II
I
Iontomat Kammer
Ionization chamber



Links-Anlage :
left hand version :





***)1 bei Rechts-Anlage M3.JK2.L(bl) und F(sw) getauscht !**
at the right-hand version M3.JK2.L and F exchanged !